

Corporate world

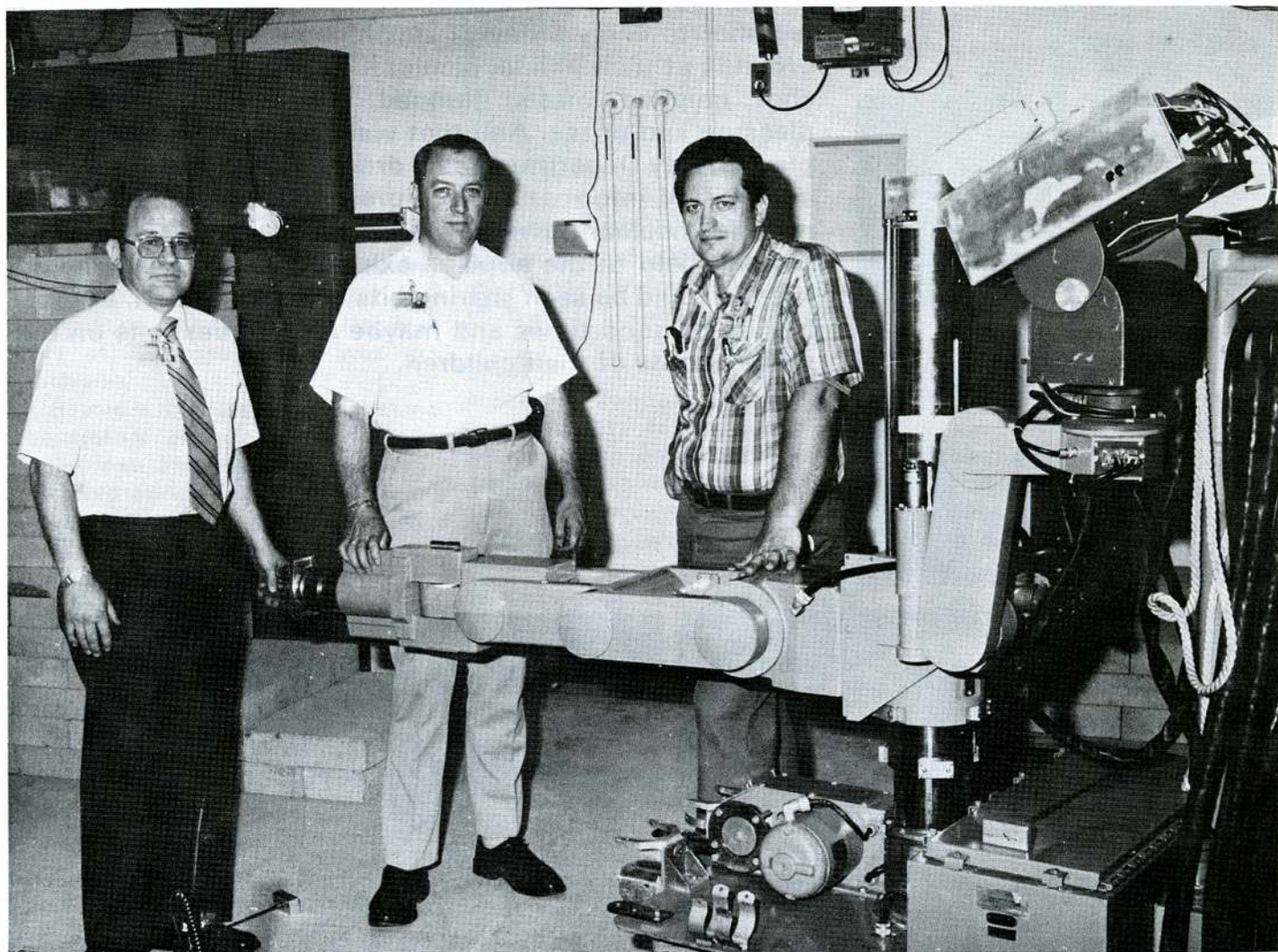
THE SUCCESSFUL COMPLETION of the first phase of a 200-million-pounds-per-year vinyl acetate expansion program at the chemicals facility in Texas City has been announced by Union Carbide Corporation.

An increase in capacity from 350 million pounds to 450 million pounds has been achieved at the plant, which produces vinyl acetate from ethylene and acetic acid. The second phase will bring capacity up to 500 million pounds next year.

Vinyl acetate is an important monomer for the production of polyvinyl acetate and other polymers which are widely used in emulsion paints, coatings, adhesives, textiles and other industrial applications.

UNION CARBIDE CORPORATION has confirmed plans to build a 1,000-metric-ton-per-year polycrystalline silicon plant in the Pacific Northwest. The corporation also confirmed that it had signed a technology agreement with Komatsu Electronic Metals, Ltd., of Tokyo that will give it access to the Japanese firm's silicon deposition processes.

Design work has begun for the new plant, which is scheduled to begin production in late 1984 and will use Union Carbide's advanced technology for silane feedstock production coupled with Komatsu's proprietary deposition technology. The original work for the silane process was carried out by Union Carbide and the process was further developed under the corporation's research contract with DOE.



HERMAN HANDLERS — Pat Canada, from left, Richard Turner and Tom Copeland are members of a Y-12 team who operate "Herman," the Y-12 mobile manipulator. The mechanism recently retrieved a highly radioactive source at the Armed Forces Radiobiology Research Institute at Bethesda, Md.

Y-12's robot manipulator retrieves radioactive cobalt source at Bethesda

Savings Fund distribution

GOOD NEWS! The Savings Plan settlement checks for participants in the General Savings Fund will be distributed on Tuesday, June 30.

In order to ensure compliance with the Employee Retirement Income Security Act, it is necessary that Savings Plan checks be delivered directly to the employee. This is to avoid alienation or assignments by a third party. Employees who want their checks delivered at work should complete the proper form at their installation prior to Wednesday, June 17; otherwise the checks will be mailed to the home address. At the ORGDP and Y-12 sites, the checks will be delivered to the work location, while at Paducah and ORNL sites, employees are asked to pick up their checks at the Paymaster's office.

The Savings Plan is a popular one with employees, as it should be, since the company adds up to 30 percent, depending upon company service, to savings deposited by an employee. Approximately 85 percent of eligible employees participate.

A radioactive cobalt source which had been lodged in an irradiation facility at a Bethesda, Md., research institute for about a month has been recovered by a team of three Nuclear Division men and a robot manipulator equipped with television cameras.

The team, consisting of Pat Canada, Richard Turner and Tom Copeland of the Y-12 Plant's electrical and electronic maintenance department, removed the source from a jammed irradiation apparatus by use of the plant's mobile manipulator nicknamed "Herman."

John Auxier, director of the Industrial Safety and Applied Health Physics Division at ORNL, also was at the site to provide advice and assistance during the recovery operation.

Stored in pool

The 24,000-curie source was located in a shielded room at the Armed Forces Radiobiology Research Institute operated by the Defense Nuclear Agency. The irradiation facility is designed so that

the radioactive cobalt sources are stored at the bottom of a pool of water when not in use. The pool is approximately 35 feet long, 2½ feet wide and 16 feet deep and serves as a radiation shield.

When a cobalt source is used to irradiate specimens, personnel leave the room and raise the source (or sources) from the storage pool by the remote operation of a small elevator device. After an irradiation, the source is lowered to the bottom of the pool.

Elevator jams

The problem occurred April 22 when the elevator jammed on an experiment support apparatus which prevented lowering the cobalt-60 source back into the pool. Because of the extremely high radiation level in the room, it was impossible for personnel to enter the facility to free the mechanism.

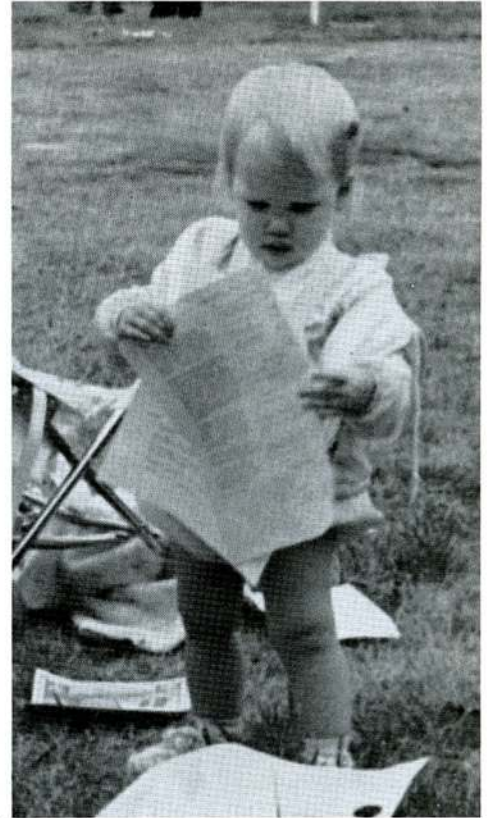
Services of the Y-12 team and manipulator were requested through DOE, and team members flew to the

(Please turn to page 8)

Sun shines bright on Paducah employees' picnic



The Paducah Plant's employees defied a week of rainy weather to enjoy a day of sunshine and fun on the plant grounds at their annual picnic. Kids ranging from 6 to 60 shot, chipped, tossed, jumped, ran and fished both for pleasure and prizes. And that was just the beginning. The plant Safety Department held drawings during the day, and audiovisual information was presented on the plant, the need for nuclear power and employees at work. From the softball field to the airplane exhibition area, families and friends could be seen sharing bits of conversation, a recollection of good times and maybe a few questions on the whereabouts of their children.



News About People



Foster

H. Valerie Foster and J. Everett Rausin have met State Board of Accountancy requirements as certified public accountants (CPA's).

CPA is the professional designation for those in the accounting field. To become certified, a person must have three years of acceptable work experience and pass a 2½-day written examination which covers accounting theory and practice, auditing and business law.

Foster, who joined the General Accounting Division at ORGDP in 1978, is a budget and accounting officer in Y-12's Product Engineering and Scheduling Division. She is a native of Carrollton, Ga., and



Rausin

received her bachelor's degree in business administration, with an accounting major, from the University of Tennessee. She lives in Knoxville.

Rausin is an accounting analyst in general accounting at ORGDP. Originally from Philadelphia, Tenn., he received an associate degree from Hiwassee Junior College in 1974 and his BS in business administration from the University of Tennessee in 1975.

Prior to joining the Nuclear Division in September 1976, Rausin worked as an agent with an insurance company. He and his wife, Cynthia, live in Lenoir City.

Howard W. Dickson, health physics department head in the Industrial Safety and Applied Health Physics Division at ORNL, has been elected treasurer of the Health Physics Society. He will assume office in the 5000-member organization at the society's annual meeting in June.

Dickson joined ORNL as a research associate in 1972. He has served as group leader and acting section chief, assessment technology section in the former Health Physics Division, and as group leader of dosimetry applications research in the Health and Safety Research Division.

A native of Pennsylvania, Dickson holds a BS degree in mathematics and physics from Slippery Rock State College and an MS in physics from the University of Tennessee.



Dickson

Dickson and his wife, the former Rita Tarr, live at 7833 Widdecombe Road, Powell. They have four children, Christine, Tracey, Joel and Trevor.

Louise G. Scogin, secretary in Environmental Control Engineering at the Y-12 Plant, has been named "Secretary of the Year" by the Oak Ridge Chapter, Professional Secretaries International (PSI).

Scogin was honored for her many contributions to the Chapter's ongoing program of promoting secretarial professionalism. She has served as cochairman and chairman of the annual educational seminar and as a member of the executive board. She will be installed as president of the local chapter on June 1.

Scogin, who has taken several business courses and seminars, earned the Certified Professional Secretary (CPS) rating in 1976. She and her husband, John (who is a Y-12 retiree), live at 115 Cooper Circle, Oak Ridge.



Samuel A. Thompson appointed ORGDP Guard Department chief

Samuel A. Thompson has been promoted to chief of the ORGDP Guard Department.

A native of Sweetwater, Thompson joined ORGDP as a janitor in the Fabrication and Maintenance Division in August 1967. He had previously served a tour of duty in the U.S. Army and worked at the Tennessee Military Institute in Sweetwater.

Thompson became a guard in the Security and Plant Protection Division in August 1967. He was promoted to fire and guard lieutenant in 1976 and to fire and guard captain in 1979. Thompson was selected executive officer of the Guard Department in January 1980, with responsibility for handling the administration and logistics of the department, as well as running day shift operations.

Thompson served as a union committeeman for six years. He was elected vice-president and president



Thompson

of Local 109, United Plant Guard Workers of America in 1975 and 1976, respectively. He also served for two years as affirmative action representative for three division-level organizations.

Thompson has taken courses in police science at Roane State Community College. He lives in Oak Ridge.

Division Death

Sam K. Carson Jr., a machinist in Y-12's Product Certification Division, died May 28 in the Oak Ridge Hospital. A native of Clinton, he joined Union Carbide in 1972, and was a veteran of the U.S. Air Force.

Survivors include his wife, Vivian Keeney Carson, 411 Highland Drive, Clinton; daughter, Janet Marie; sisters, Mary Thurber and Carolyn Douglas; and his mother, Celeste Carson.



Mr. Carson

Services were held at the Holley-Gamble Funeral Home, Clinton, with burial in the Tennessee Valley Memorial Gardens.

Patents Granted

Grady W. Clark, ORNL; and John D. Holder and Arvid E. Pasto, formerly of ORNL, for "Internal Zone Growth Method for Producing Metal Oxide Metal Eutectic Composites."

Edward J. Giacomelli and Samuel G. Snow, both of the Y-12 Plant, for "Method for Measuring the Density of Lightweight Materials."

UNION
CARBIDE

Nuclear Division News

UNION CARBIDE CORPORATION
NUCLEAR DIVISION
Post Office Box Y
Oak Ridge, Tenn. 37830

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PADUCAH

Darlene M. Mazzone, Bell 208

INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS

Published every other week
for employees such as:



Nancy S. Currence, a secretary in the Engineering Physics Division at ORNL.

Recent Retirements



Karthalee P. Turman
Finance, Materials,
and Services
ORGDP
35 years service



Lynn H. Bell
Maintenance
ORGDP
34 years service



C. J. King
Enrichment Technology
ORGDP
32 years service



Leon G. Craig
Barrier Manufacturing
ORGDP
12 years service



Leon A. Owens
Operations
ORGDP
35 years service



Luther Acres
Operations
ORGDP
35 years service



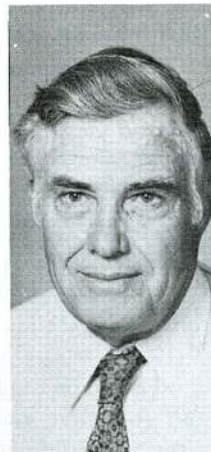
Glenn W. Howdysell
General Shops
Y-12
25 years service



John M. Matlock
Barrier Manufacturing
ORGDP
36 years service



Herschel Edward Williams
Maintenance
ORGDP
36 years service



Frank Marlin
Maintenance
ORGDP
29 years service



Conley Loy
Maintenance
ORGDP
36 years service



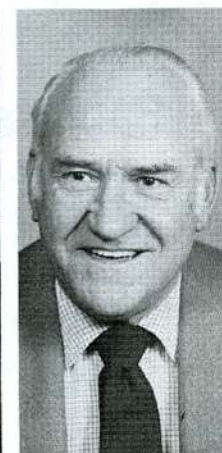
Eugene T. Ault
Operations
ORGDP
36 years service



Kenneth L. Johnson
Maintenance
ORGDP
35 years service



Burkett I. V. Bailey
Employee Relations
ORGDP
32 years service



J. S. Hutson Jr.
Maintenance
ORGDP
36 years service



Lawrence E. Beyersdorf
Finance, Materials
and Services
ORGDP
35 years service



Willard E. Hobbs
Enrichment
Technology
ORGDP
33 years service



Henry A. Bostic
Maintenance
ORGDP
36 years service



Elwood Stephens
Maintenance
ORGDP
36 years service



Noah E. Howard
Maintenance
ORGDP
35 years service



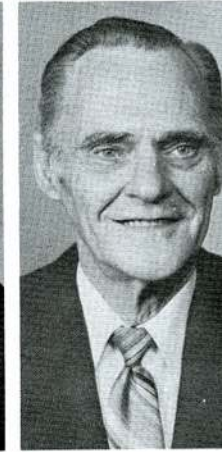
Readus C. Hamby
Maintenance
ORGDP
29 years service



Quinton T. East
Maintenance
ORGDP
21 years service



Lyle T. Hensley
Finance, Materials
and Services
ORGDP
34 years service



James H. Henderson
Barrier
ORGDP
35 years service

Anniversaries

Y-12 PLANT

40 YEARS

Robert W. Forseman, Dispatching
Department.

35 YEARS

James D. Robertson Jr., Beta 2
Expansion Assembly.

30 YEARS

Beryl K. Calfree, Buildings,
Grounds and Maintenance Shops;
Anderson Halcomb, Materials and
Services Administration; Trula S.
Howerton, Public Relations; Garnett
W. Johnson, General Machine Shop;
Stanley R. West, Dimensional
Inspection Operations; Wiley B. Red-
mon, Physical Testing Operations;
George T. McMahon, Engineering;
Paul W. Cofer Jr., General Can Fabri-
cation Shop; Marvin W. Honeycutt,
Buildings, Grounds and Mainte-
nance Shops; Warren G. Ratledge,
Chemical Services; Ruby M. O'Kain,
Computer Sciences; Edgar H. Erick-
son, Building Services; Ralph L. Kent,
Plant Laboratory; and Lawrence E.
Redmon, Buildings, Grounds and
Maintenance Shops.

25 YEARS

Paul E. Reagan, Bailey B. Carter,
Elihu H. Upton, Reed C. Wheelock,
John Carroll Jr. and Wildord L.
Hunter.

20 YEARS

John B. Allen and Robert L.
Wesley.

ORNL

35 YEARS

Homer C. Thompson, Chemical
Technology; William B. Anderson,
Finance and Materials; John B.
Ruch, Chemical Technology; Ray E.
Eby, Analytical Chemistry (March
15); and George A. West, Chemical
Technology (April 18).

30 YEARS

James N. Robinson, Engineering
Technology; Jack L. Bailey, Plant and
Equipment; Delmer L. Manning,
Analytical Chemistry; William A.
Duggins, Operations; Donald Kiplin-
ger, Plant and Equipment; Horace A.
Friedman, Chemical Technology;
Tennyson Mack, Biology (April 5); H.
Odell Eason Jr., Fusion Energy (April
24); and Jack N. Money, Engineering
Technology (April 30).

25 YEARS

James E. Attrill, Philip L. Ritten-
house, Cleatus W. Stamey, Paul E.
Stafford, Clyde B. Fulmer, Conrad V.
Chester, Guerino D. Novelli (March
1), Eugene C. Hise Jr. (March 19) and
Mary H. Steele (March 19).

20 YEARS

Frank E. Jones and William R.
Reed.



Hospital patients and billing practices

by T. A. Lincoln, M.D.

QUESTION: I was recently in the hospital, where I had numerous tests and received treatment. When I was escorted to the cashier's office by a volunteer worker, I suspected that they thought I was going to leave without paying. I didn't have the remotest idea of what I was paying for. Most of the cost was covered by insurance, but I wondered if anyone ever checks the accuracy of hospital accounting. Please comment.

ANSWER: Most hospital patients don't have the foggiest idea of the costs of various tests and medicines. They may receive an itemized bill weeks after being released, but, since the insurance company pays for it, they often don't pay much attention to it. Even if the tests were explained in great detail, the average patient might have difficulty understanding the purpose of SGOT, SGPT or LDH tests.

Little interest in costs

Ever since hospitalization insurance became widespread and employers began paying for it, patients have had little interest in costs. If employees had been given higher salaries rather than insurance benefits, they probably would continue to look carefully at costs and to demand explanations for them. Those \$15, \$25, \$75 and \$100 charges sprinkled like so much salt down the front of the itemized bill would have more meaning.

Employees who keep themselves healthy receive less dollar-equivalent benefits from their employment than those who tend to be sick more often. Someone has to pay the huge insurance costs, and, necessarily, some of the money goes in lieu of salaries. To receive one's share of this huge fringe benefit, one must use the insurance. Those who never use it are, therefore, receiving fewer benefits than those who do. The problem is that many of these benefits are not what one would consider pleasant.

Patients have a right to know what is being done to them and how much

it costs. They also have a right to know what pills they are receiving, how many and how often. I wonder how long it has been since a patient reported to the cashier's office with a complete list of all services performed and checked it carefully against the hospital bill. It may never have happened.

Many physicians and hospital staff members don't like to take the time to explain which procedure or medication has been ordered and why. They usually don't like to carefully explain all test results. Time is money. Medical and hospital fees would be even higher if such explanations were routinely given.

In many insurance programs, the hospital charges a per diem expense based on the audited cost of running the hospital. The hospital receives this average rate and not the precise amount that appears on the bill. In essence, this means that the hospital receives cost plus a fixed fee - a nice way of doing business.

Be persistent

The whole system is complicated, and I have grossly oversimplified it to make one point. When patients complain that they are never told anything and can't find out what is happening to them, they have only themselves to blame. Patients have a legal right to know. They will find out only if they are persistent. Some patients fear that their doctors or hospital staff will get angry with them, and, as a consequence, provide fewer or poorer services. Perhaps so, but patients must be reasonable as well as persistent. A generation of physicians and hospital staff members have grown accustomed to passing the costs on to insurance companies and not troubling their patients with details.

Change will be slow, but it is occurring. With the increasing supply of well-trained physicians and good hospitals, those whose staffs express concern about costs, act accordingly and keep their patients informed will have a competitive advantage.



EMERGENCY PLANNING MEETING — ORNL recently hosted the 1981 semiannual emergency planning meeting, attended by representatives from the Laboratory, ORGDP, the Y-12 and Paducah Plants, NLO and Goodyear Atomic Corporation. Participants discussed emergency responses and preparedness, new emergency equipment and mutual aid. Shown at the meeting are, seated from left, K. Allen Ross and William E. Thompson, Paducah; Mansell E. Ramsey and Clyde C. Hopkins, ORNL; Carl H. Peterson, ORGDP; Larry M. McLaughlin, Y-12; and Grover C. Cain, ORNL. Standing, from left, are William L. Kouns, General Atomic; Doyle M. Davis, ORNL; Donald L. Dunaway, NLO; Delno D. Ausmus and Carl L. Fox, ORNL; Harry A. Keen, Y-12; Robert L. Payne and G. Bill Seaborn Jr., ORGDP; J. Harold Greene and G. Howard Burger, ORNL; and James M. Pieper, General Atomic.

Robinette, Jones promoted



Robinette

Betty K. Robinette has been named head of Y-12's technical information services. She replaces Ray J. Fraser, who has transferred to the classification and information control office. Edith C. Jones has been promoted to fill Robinette's former position as information communications supervisor in the Separation Systems Division at ORGDP.

Robinette joined Union Carbide at ORGDP in 1977 in the Operations Analysis and Planning Division. A native of Detroit, she holds a BS from Wayne State in business education. She has also done some graduate work there. She taught in the Detroit public schools, and has also taught at Draughton's Business College and Cooper's Business Institute.

She is a member of the Roane State Community College advisory board for office administration.

She and her husband Randolph, live at Route 6, Clinton. They have two sons, James and Wade.

Jones joined Union Carbide in 1967 as a secretary in the ORNL Metals and Ceramics Division. She later worked in the Central Management Offices and the Environmental Sciences Division. In 1977 she was



Jones

named senior secretary, Health and Safety Research Division.

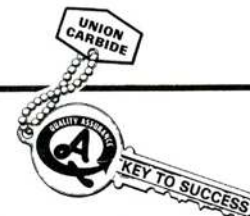
A graduate of Knoxville Business College, Jones is a Certified Professional Secretary. She is a member of the Oak Ridge Chapter of Professional Secretaries International and its speakers' bureau and serves as secretary for the Arts Council of Oak Ridge.

A native of Lenoir City, Jones and her husband, Jack, live at 100 Oklahoma Avenue, Oak Ridge, with their two children, Beth and Ben.

Safety Scoreboard

Time worked without a lost-time accident through May 28:

Y-12 Plant	248 Days	8,694,000 Employee-Hours
ORGDP	251 Days	7,479,631 Employee-Hours
ORNL	382 Days	9,524,698 Employee-Hours
Paducah	303 Days	2,824,000 Employee-Hours



"Quality assurance is the deed that makes each project succeed." (Submitted by Robert A. Ebel, ORGDP.)

'Growing Things' proves colorful theme at retirees' reunion



Union Carbide Retirees Association enjoyed another day in the sun as they gathered for their spring reunion-picnic at Clark Center Recreation Park. "Growing Things" was the theme of the gathering as many members proved their green thumb talents with colorful, imaginative displays of growing, magical things. Sharing desserts and catching up on the latest happenings seemed to highlight the event.



Four Eagles win Mixed crown

The Four Eagles, captained by Cheryl Womack, soared over the Lucky Strikes in the roll-off in the Monday Night Mixed League by eight pins. Other members of the team are Lee Jackson, Doris Jackson and Hershell Johnson.

Womack also took top prizes for women as a result of the 254/641 scratch performance the last night of action. High average awards went to Churchill Moore for a 181 and to Womack for a 169.

The league has formed for the summer season and will be back also next fall for winter play.

Kiplinger wins 3rd rifle shoot-out

ORNL's Don Kiplinger took the third match of the High Power Rifle League with a 735 out of a possible 800. Harold Fell, Y-12, placed second with a 693; while Hugo Bertini, ORNL, came in third with a 686. Al Beasley, Y-12, placed fourth with a 614.

'More fun than a three-ring circus'

That's the theme for the Nuclear Division (ORNL, ORGDP, Y-12, and General Staff) Employee Relations' first annual picnic Friday, July 17, from 5 to 10 p.m. at Clark Center Recreation Park. The cost will be \$3.00 for adults and \$1.50 for children ages 6-12. Tickets will be available from department secretaries at each plant after June 15.

Next issue...

The next issue will be dated June 18. The deadline is June 10.

Tee-Off Time Application for

June 27, 1981

(Check Appropriate Plant)

- ☐ ORGDP—Cedar Hills
- ☐ Y-12—Wallace Hills
- ☐ ORNL—Bays Mountain



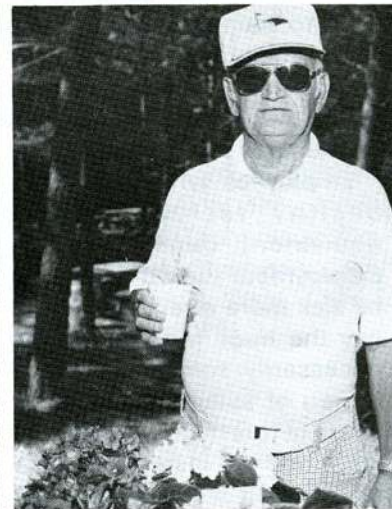
Time Preferred

Leader 1. _____
 2. _____
 3. _____
 4. _____

COMPLETE AND RETURN TO THE Y-12 RECREATION OFFICE
 Y-12 — BUILDING 9711-5, MS-1

Entries must be received prior to drawing on June 24, 1981.

Tee-off times for all tournaments will be drawn on Wednesdays prior to each Saturday's tournament. Golfers are responsible for reserving their own carts by contacting the pro shop following drawing for tee-off times. Please call the Recreation Department, 4-1597, **THURSDAY** for tee time.



Wayne McLaughlin appointed to head Barrier Manufacturing

81-2217



McLaughlin

B. Wayne McLaughlin has been appointed manager of the Barrier Manufacturing Organization at ORGDP by Ken Sommerfeld, Plant Manager.

McLaughlin, who has served as supervisor of the Employment Department in ORGDP's Employee Relations Division since 1979, succeeds Frank Strang Jr., who retired in May.

A native of Danville, Va., McLaughlin joined the Nuclear Division as a buyer in Purchasing in

1969. A year later he transferred to the ORGDP Maintenance Division where he worked for four years. He served as ORGDP Affirmative Action Coordinator from 1975 to 1979, and as a wage and salary associate for three months.

McLaughlin received his BS degree in business/economics from Johnson C. Smith University (Charlotte, N.C.) in 1969. He completed the Union Carbide Management Program in 1976, and recently participated in the three-week AIM Executive Management Training Program offered by the Association for the Integration of Management in Glen Cove, N.Y. In addition, he has taken several other professional development courses.

In December 1980, McLaughlin was presented the Governor of Tennessee's "Distinguished Service Award" in recognition of his work with the handicapped.

McLaughlin is a member of the Atomic City Sportsmen's Club. He and his wife, Gwen, live in Oak Ridge at 134 Athens Road.

Queener, ORGDP secretary, takes gavel as president of Tennessee secretaries

Ellen B. Queener, CPS, ORGDP Maintenance Division, began her term as president of the Tennessee division of the Professional Secretaries International recently at the annual meeting held in Knoxville. The division consists of 20 chapters of PSI, formerly known as the National Secretaries Association.

Born in Ewing, Va., Queener has a BS in business education from Lincoln Memorial University and is certified to teach. She recently completed her 29th year with Union Carbide. Certified as a professional secretary (CPS) in 1976, Queener has been active in PSI since joining. She served as a board member in 1970, as local president in 1975-77, and as an adviser from 1977-80. She also served as chaplain in 1971. The Oak Ridge Chapter chose her as member of the year in 1978.

One of Queener's goals in the current office will be to promote the new identity of the secretarial organization.

She is secretary to James E. Heiskell Jr., superintendent of the Field Maintenance Department at ORGDP.

"In addition to promoting professionalism, I want to see continued support for the CPS program," Queener stated. "Tennessee, with 829, is third in the nation with the most certified secretaries, led only by California (1425) and Texas (1423). These states are much larger than Tennessee, so we can feel proud."

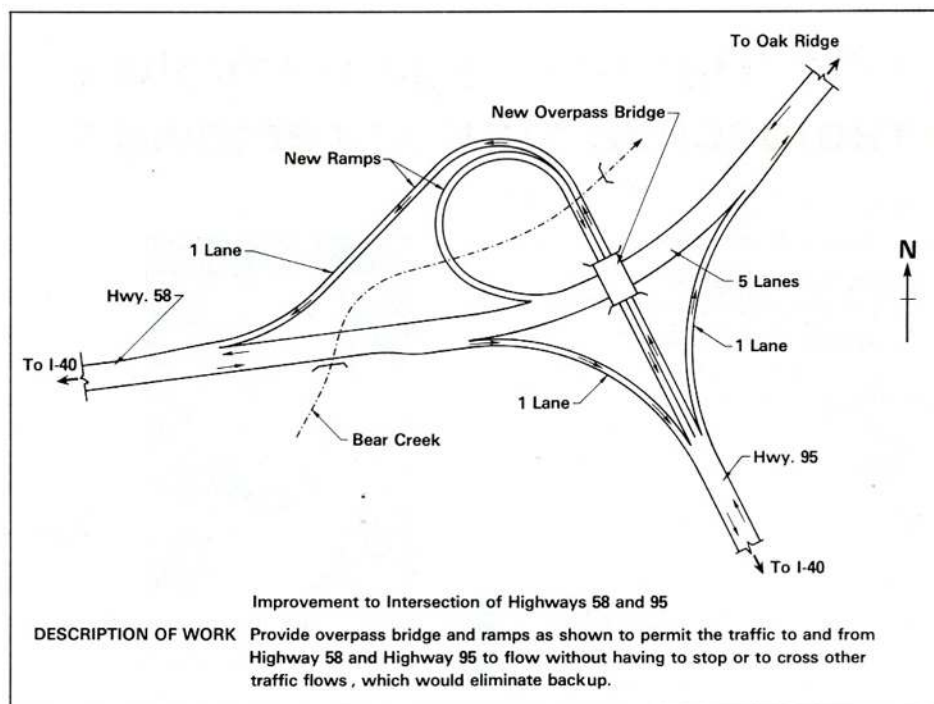


BEGINS TERM — Ellen Queener, an ORGDP secretary, accepts the gavel beginning her term as president of the Tennessee division of Professional Secretaries International. Virginia Smith, right, served as the division's secretary last year.

Patents

David R. James, Loucas G. Christophorou, Robert Y. Pai and Marshall O. Pace, all of ORNL, for "Gaseous Insulators for High Voltage Electrical Equipment."

Carlos E. Bamberger and Elizabeth B. Richardson, both of ORNL, for "Thermochemical Process for Recovering Cu from CuO or Cu₂O."



Traffic flow improvements set for Hwys. 95-58 interchange

Commuters to the three Oak Ridge plants got good news recently as the Department of Energy announced plans to improve the intersection of State Highways 58 and 95. The Y, as it is known, has been the scene of many fatal crashes.

The State is constructing the new interchange under the Hazard Elimination Program of the Federal Highway Administration. Half of the cost of the project will be paid by federal and state highway funds and the remaining share will be funded by DOE.

Tennessee's Department of Transportation (DOT) has advertised for bids to construct a new interchange which will include an overpass bridge and ramps. The improvements will permit traffic to and from Highways 95 and 58 to flow without having to stop or cross traffic flows.

The State DOT expects to award a contract sometime this month, with construction set to begin shortly

thereafter. It is expected that the construction will require at least two years.

DOE is participating in the project because the interchange will be partly constructed on federally owned property in Oak Ridge and because the heavy traffic flow at the junctions results mainly from activities at the DOE facilities. Many ORNL, ORGDP and Y-12 employees travel this route on a regular basis.

When the work is completed, vehicles traveling north on Highway 95 and planning to turn left (west) toward ORGDP on Highway 58 will use the new bridge over 58 and exit by a new off-ramp. Vehicles traveling from Oak Ridge southwest on Highway 58 toward ORGDP planning to turn left (south) on Highway 95 toward ORNL and Y-12 will use a new on-ramp to the crossover bridge.

Commuters are requested to exercise caution during the construction period.

Save Energy/Share the Ride

ORNL

VAN POOL RIDER needed from West Knoxville area (Bearden through Farragut) to main portals, 8-4:30. Dean Treadway, plant phone 4-6580; home phone 584-4879.

WILL JOIN CAR POOL or RIDE POOL from Norwood/Cherrybrook and Clinton Highway areas to any portal. Eugene Keith, plant phone 4-5549; home phone 938-8573.

ORGDP

VAN POOL RIDER needed from Oliver Springs (Norwood) to portals 2, 4, 7, 8 and 9. Straight days. Linda Chadwick, plant phone 4-8222; home phone 435-6907.

VAN POOL RIDERS (two) needed from Halls and/or Powell to any portal, straight days. Victor Crawford,

home phone 922-9825; work phone 4-8512.

Y-12

RIDE from West Magnolia Lane area, Oak Ridge, to North Portal, 8-4:30 shift. Renee Harness, plant phone 4-0391, home phone Oak Ridge 482-4525.

RIDE or WILL JOIN CAR POOL from West Knoxville, Bearden area, to Portal 4, J shift. J. E. Russell, plant phone 4-8607, home phone Knoxville 588-0479.

CAR POOL RIDER from Cumberland Estates area to Portal 3, 7:45-4:15. Susan, plant phone 6-4694; home phone 691-7773.

Y-12's 'Herman' again involved in radioactive source removal

(Continued from page 1)

facility several weeks ago to study the situation and to determine how the manipulator might be used. After their return to Oak Ridge, they obtained some additional tools and equipment for the manipulator and practiced with "Herman" with a mockup of the situation in Building 9766.

When the team began the actual retrieval operation at Bethesda, the entry of the robot into the facility proved to be a challenging task because of the tight spaces involved. Using the robot's TV cameras as "eyes," the team maneuvered the robot (62" tall, 29" wide, 45" long) across a ramp into the irradiation room, removed a safety chain on a service elevator, and moved the robot onto the elevator so that it could be lowered to the operating floor.

In only two hours

Once the entry procedure was completed, the robot was maneuvered toward the jammed apparatus and the retrieval operation went very much as planned. The team used the robot to remove a metal bar which had jammed the apparatus and then cut a cable to permit the source to drop back into the shielding pool where it could be handled safely by facility personnel.

Team leader Canada said the total operation required just over two hours, with much of that time spent in getting the robot into the room.

He praised the assistance of the Y-12 groups who built the mockup on which the team practiced prior to departure and the special tools provided for the job.

Third involvement

The recovery of the source marked the third time that the manipulator



John Auxier also was at the site to provide advice and assistance.

has been used to retrieve radioactive sources. In 1975, Bill Pankratz and Robert Frazier, both of Y-12, used the robot to recover a radioactive pellet from an irradiation facility at the University of Rochester. In 1976, the two also recovered a source from an irradiation facility at the University of the South in Sewanee, Tenn.

In March, 1979, the robot was taken to the Three Mile Island nuclear power plant in Pennsylvania for possible emergency duty, but was not used.

The manipulator was designed and built to Nuclear Division specifications by a commercial vendor in 1966. It is housed in the Y-12 Maintenance Division where it is used as a standby system to work in toxic or radioactive environments.

It can operate at distances up to 700 feet from its control console, to which it is attached by a cable. It has a mechanical hand capable of lifting 160 pounds and dragging up to 500 pounds. Motions with the hand include shoulder, wrist and hand movements, directed by controls on the console. Two TV cameras are mounted behind the arm to transmit pictures to monitors on the control console.

Question Box

Why can't hourly employees be covered by Blue Cross/Blue Shield?

QUESTION: Hourly employees' hospitalization coverage is with Union Mutual, a little-known company that might not be recognized or accepted outside this area; probably not many hospitals elsewhere would have Union Mutual claim forms. Salaried employees are covered by Blue Cross/Blue Shield, a nationally recognized company. Will Union Carbide consider changing the hourly employees' coverage to Blue Cross to ensure good service wherever a claim might be filed?

ANSWER: Union Mutual Life Insurance Company is well established in the insurance industry. The company was founded in 1848, is the eighth oldest life insurance firm in the United States, and currently has about 16,000 group plans in effect covering approximately 1,800,000

employees plus dependents. Sixty service offices cover all major metropolitan areas.

It is not necessary for hospitals to have Union Mutual claim forms. Hospitals commonly process their own forms, which is a practice fully acceptable to Union Mutual.

Union Mutual has been an insurer of hourly basic hospitalization and special medical plans within the Nuclear Division since 1965. As long as the service rendered is satisfactory and the cost charged for that service is not excessive, there would be no reason to change either carrier. However, if service were to deteriorate or if cost were to be excessive, the company would not hesitate to obtain bids against Union Mutual for hourly employees or against Blue Cross for salaried employees.

Howard Baker visits Oak Ridge



During his May 29 visit to Oak Ridge, U.S. Senate Majority Leader Howard H. Baker Jr. and staff aides toured ORNL's Holifield Heavy Ion Research Facility and the Consolidated Fuel Reprocessing Program. Here he views a model of a fuel recycle facility designed for totally remote operation and maintenance. With Baker (from left) are: Nuclear Division President Roger F. Hibbs; William D. Burch, director of the Consolidated Fuel Reprocessing Program; Robert J. Hart, manager, and Joseph A. Lenhard, assistant manager, of the Department of Energy's Oak Ridge Operations; and ORNL Director Herman Postma.

Eiler named Y-12 utilities head

Donald J. Eiler has been named head of the utilities administration department in the Y-12 Security, Plant Protection and Utilities Division.

Born in Sylacauga, Ala., Eiler grew up in Oak Ridge. He received his BS degree in mechanical engineering from the University of Tennessee in 1966. He is registered by the state of Tennessee as a professional engineer.

Eiler worked as a student at Y-12 during the summers of 1962-64. He joined the utilities administration department as a production engineer on a full-time basis in 1967. Prior to his promotion he was section leader of utilities engineering.



Eiler

Eiler lives on Glastonbury Road in Knoxville with his wife, Sandra, and daughter, Julie Diane.

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